

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A furnace wall structure having a furnace wall 4 installed in a furnace which is the combustion chamber of a boiler for thermal power generation, said furnace wall 4 comprising:

a furnace wall bottom part ~~A~~ composed of furnace wall tubes 2a having upward-spiraled fluid passages; a nose part ~~C~~ which has nose wall tubes 5a disposed in a middle part of a furnace rear wall ~~B~~ adjoining the furnace wall bottom part ~~A~~; and a screen part ~~D~~ having screen tubes ~~7~~, wherein

the terminal parts of said furnace wall tubes 2a are located lower than the nose part ~~C~~,

a header is provided at the connection part between the terminal parts of said furnace wall tubes and said nose wall tubes, and is installed lower than said nose part and outside the furnace wall,

furnace wall tubes which extend upright from the terminal parts of said furnace wall tubes are provided so as to connect parts of the furnace wall tubes directly with the header, to connect the header with the nose

wall tubes via vertical tubes; and to connect other parts of said furnace wall tubes directly with the screen tubes, thereby integrating the vertical furnace wall tubes, the vertical tubes, and the screen tubes by being welded via membrane bars.

2. (Cancelled)

3. (Cancelled)

4. (Currently Amended) The furnace wall structure according to Claim 1 3, wherein the parts ~~2b₁~~ of said vertical furnace wall tubes ~~2b~~ are bent downwards to be connected with the header ~~6~~; horizontal tubes ~~5b₁~~ and ~~5b₂~~ are provided in such a manner as to be divided from the header ~~6~~ into opposite sides in the horizontal direction; the horizontal tubes ~~5b₁~~ and ~~5b₂~~ are connected with the vertical tubes ~~5e₁~~ and ~~5e₂~~ which partly extend upright adjacent to the vertical furnace wall tubes ~~2b~~ (~~2b₁~~, ~~2b₂~~) via the vertical tubes ~~5e₁~~ and ~~5e₂~~ and the horizontal tubes ~~5d₁~~ and ~~5d₂~~; and the vertical tubes ~~5e₁~~ and ~~5e₂~~ are connected with the nose wall tubes ~~5a~~, respectively.

5. (Currently Amended) The furnace wall structure according to Claim 1 2, further comprising: drain tubes ~~5d~~ provided at the bottom of the header ~~6~~; and an open/close valve ~~40~~ provided at the drain tubes ~~5d~~.